

ABSTRACT OF THE DISCLOSURE

An aluminum or aluminum alloy member superior in liquid and gaseous corrosion resistance and plasma resistance, which has an anodized film formed thereon which is composed of a porous layer and a non-porous barrier layer whose structure is at least partly boehmite or pseudo-boehmite. Said anodized film is characterized by that the film dissolving rate measured by the test for immersion in a mixture of phosphoric acid and chromic acid (conforming to JIS H8683-2) is less than $120 \text{ mg/dm}^2/15 \text{ min}$, the ratio of area in which corrosion occurs after standing for 2 hours in an atmosphere of argon containing 5% chlorine (at 300°C) is less than 15%, and the hardness (Hv) of the film is no lower than 420.